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APPLICATION NO.	FILING DA	ATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/644,347	08/20/20	003	Bradley P. Etherton	LYON 0169 PUS 5848	
22045	7590 0	2/02/2005		EXAM	INER
BROOKS K	USHMAN P.O	C.	MULLIS, JEFFREY C		
1000 TOWN CENTER TWENTY-SECOND FLOOR				ART UNIT	PAPER NUMBER
SOUTHFIEL	D, MI 48075			1711	

DATE MAILED: 02/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

							
	Application No.	Applicant(s)					
	10/644,347	ETHERTON ET AL.					
Office Action Summary	Examiner	Art Unit					
	Jeffrey C. Mullis	1711					
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet with the	correspondence address					
A SHORTENED STATUTORY PERIOD FOR REPITHE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailling date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perior - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be to ply within the statutory minimum of thirty (30) do to will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDON	imely filed ays will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 10	May 2004.						
	is action is non-final.						
3) Since this application is in condition for allow	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11, 4	453 O.G. 213.					
Disposition of Claims							
4) Claim(s) 1-20 is/are pending in the applicatio	n.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.	!	·					
6)⊠ Claim(s) <u>1-20</u> is/are rejected.							
7) Claim(s) is/are objected to.	•						
8) Claim(s) are subject to restriction and	or election requirement.						
Application Papers							
9) The specification is objected to by the Examir	ner						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.							
Applicant may not request that any objection to the							
Replacement drawing sheet(s) including the corre							
11) The oath or declaration is objected to by the							
Priority under 35 U.S.C. § 119	•						
	un priority under 25 LLC C S 440/	a) (d) az (f)					
 12) Acknowledgment is made of a claim for foreignal All b) Some * c) None of: 1. Certified copies of the priority documents. 2. Certified copies of the priority documents. 3. Copies of the certified copies of the priority documents. 	nts have been received. nts have been received in Applica ority documents have been recei	ition No					
* See the attached detailed Office action for a lis	st of the certified copies not receive	ved.					
Attachment(s)							
Notice of References Cited (PTO-892)	4) Interview Summa	ry (PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail						
 Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date <u>504</u>. 	6) Other:	i dioni Applicatori (F10-102)					

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Claims 1-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The term "microfine polymer powder" is unclear in that it is subjective as to what particle sizes would be embraced by the term "microfine". While applicants' specification defines this term as embracing particle sizes of 1-500 microns, the term "particle sizes" as recited on page three of applicants' specification is itself unclear since particle sizes exist as a distribution of diameters and will therefore vary depending on the type of particle size, for instance number average or weight average particle sizes.

As melt index will vary depending on the load and temperature of measurement and as such information is not recited in claim 13, claim 13 is unclear.

Claims 9-14 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim.

Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claim 9 recites that the polyolefin is grafted depite the fact that the claims from which claims 9 depends already recites that the polyolefin is grafted.

The closest prior art is Trinh et al. ("Trinh", US 5,714,445). However, Trinh does not explicitly teach that their cyclodextrin is reacted with a grafted microfine polymer powder as required by the claims. While Trinh discloses that the cyclodextrin may be "bound" or "attached" to a polymer (with said polymer being grafted or ungrafted) there is no explicit disclosure that reacting (i.e. chemically bound or "attached") and in fact

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Trinhs' polymers in fact do not necessarily contain groups which are reactive with

cyclodextrin and in fact Trinh discloses the use of nonreative binders for binding and

attaching. Furthermore Example 5 of Trinh is the only example in which a grafted

polymer which could be remotely viewed as "microfine" no matter how the term

"microfine" is is intened to be used by applicants and does not disclose sufficient detail

such that an argument could be made that "reacting" is inherent. Note in this regard that

a temperature of "8020C" is disclosed, an obvious misprint where those skilled in the art

would not be able to realize what the correct process temperature was, necessary

information to make an inherency argument regarding reacting. Lastly, there is no

teaching or suggestion to perform applicants step "b" in Trinh.

With regard to Thuaut et al., cited by applicants', the grafted polymer web of the

authors cannot be said to be "microfine" by any reasonable interpretation of "microfine"

nor is applicants' step "b" disclosed or suggested, is a product disclosed which

reasonably appears to be the same or slightly different that applicants despite being

produced by a different process.

Any inquiry concerning this communication should be directed to Jeffrey C. Mullis

at telephone number 703 308 2820.

Jeffrey C. Mullis J Mullis

Art Unit 1711

JCM

1-26-05